

**MICROORGANISMS AND ASSAYS FOR  
THE IDENTIFICATION OF ANTIBIOTICS**

**Abstract of the Disclosure**

5           The present invention features methods for the identification of  
compounds and compositions useful as antibiotics and antibacterial agents. In  
particular, the invention features methods for the identification of modulators of a  
previously unidentified target protein, termed CoaX. High-throughput assay systems are  
featured as well as assay kits for the identification of CoaX modulators. Also featured  
10 are *coaX* nucleic acid molecules and purified CoaX proteins, as well as recombinant  
vectors and microorganisms including the gene, *coaX*.